**FIGURES**

C:\Users\aditya\Downloads\Figures\Figures\Fig1.tif

**Figure 1.** Correlation of features.

C:\Users\aditya\Downloads\Figures\Figures\Fig2.tif

**Figure 2.** Cumulative explained variance across different principle components.

C:\Users\aditya\Downloads\Figures\Figures\Fig3.tif

**Figure 3(a).** Baseline: ROC curve before & after performing SMOTE & PCA.

C:\Users\aditya\Downloads\Figures\Figures\Fig4.tif

**Figure 3(b).** Enhanced model: ROC curve before & after performing SMOTE & PCA.

C:\Users\aditya\Downloads\PACE_2018-08-15\PACE Corrected\Fig3c.tif

**Figure 3(c).** XGBoost (Modeling without mortality flag): ROC curve before & after

performing SMOTE & PCA.

C:\Users\aditya\Downloads\Figures\Figures\Fig7.tif

**Figure 4.** Elbow plot for K-means clustering.

**C:\Users\aditya\Downloads\Figures\Figures\Fig5.tif**

**Figure 5.** Importance of features.

**C:\Users\aditya\Downloads\Figures\Figures\Fig6.tif**

**Figure 6**. Confusion matrix.

­­­­­­­